

$$X_{n} \stackrel{R^{1}}{ \sqcup } O + Y \stackrel{R^{2}}{ \sqcup } R^{3}$$

$$(3) \qquad (4) \qquad (17)$$

$$X_{n} \stackrel{R^{1}}{ \sqcup } COCHR^{2}R^{3}$$

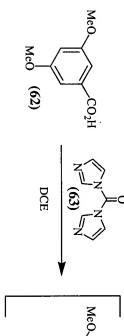
$$X_{n} \stackrel{R^{1}}{ \sqcup } COCHR^{2}R^{3}$$

$$X_{n} \stackrel{R^{2}}{ \sqcup } R^{3} \qquad X_{n} \stackrel{R^{2}}{ \sqcup } R^{2}$$

$$X_{n} \stackrel{R^{1}}{ \sqcup } COCHR^{2}R^{3}$$

$$X_{n} \stackrel{R^{2}}{ \sqcup } R^{3} \qquad X_{n} \stackrel{R^{2}}{ \sqcup } R^{3} \qquad X_{n} \stackrel{R^{1}}{ \sqcup } COCHR^{2}R^{3}$$

$$(10) \qquad (19) \qquad (18)$$

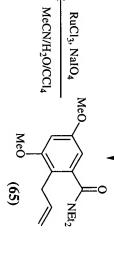


Acetic acid

MeÓ

64)

Et₂NH



sBuLi, THF
 CuBr.DMS
 Allyl bromide

MeO.

(67)

MeÒ

66)

 $_{\rm CO_2H}$

6N HCl Reflux